



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF: :
YUHPYNG L. CHEN :
APPLICATION NO.: 09/580,791 :
FILING DATE: May 30, 2000 :
TITLE: CORTICOTROPIN RELEASING FACTOR :
ANTAGONISTS :
:

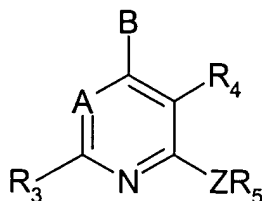
Mail Stop
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

DECLARATION UNDER 37 C.F.R. 1.132

Sir:

YUHPYNG L. CHEN, hereby declares, states and says that:

1. She received a B.S. from the National Cheng-Kung University in Taiwan (1975), a M.S. from Johns Hopkins University (1977), and a Ph.D. from the University of Michigan (1980).
2. She is currently employed by Pfizer Inc. as a research advisor in the Pfizer research facility in Groton, Connecticut, and she has worked at Pfizer Inc. for 21 years.
3. She is familiar with the subject matter of the above-identified application and the references cited therein.
4. The above-identified application is directed to a compound having general formula



I

as claimed in claim 1, and to compositions containing the compound claimed in claim 1.

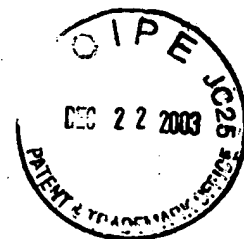
5. The enclosed IC₅₀ data for binding to the CRF receptor show the effectiveness of representative compounds in treating the conditions recited in the claims.

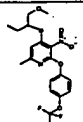
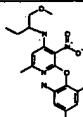
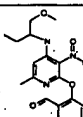
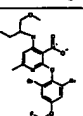
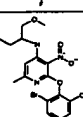
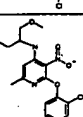
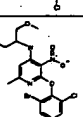
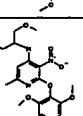
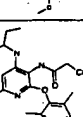
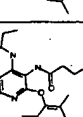
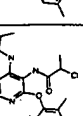
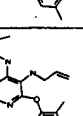
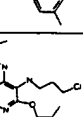
6. A person skilled in the art would conclude on the basis of the effectiveness of the compounds as demonstrated by the enclosed IC₅₀ data that the applicant was in possession of the invention, and further that the person of ordinary skill in the art would be enabled to practice the invention.

She further declares that all statements made herein of her own knowledge are true and all statements made on information and belief are believed to be true. All statements made herein are made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment or both, under section 1001 of Title 18 of the United States Code, and that willful false statements may jeopardize the validity of the above application or any patent that may issue from it.

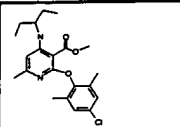
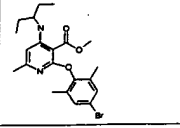
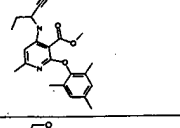
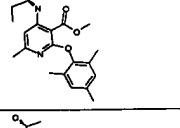
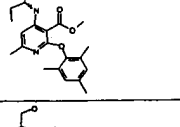
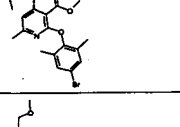
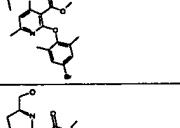
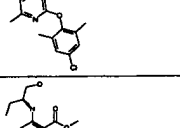
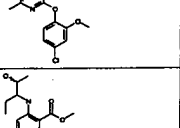
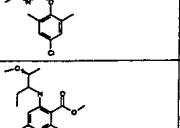
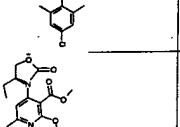
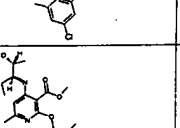
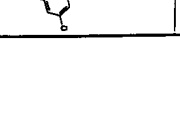
Date: Oct. 28, 2003

Yuhpyng L. Chen

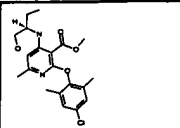
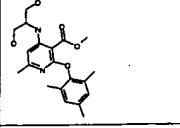
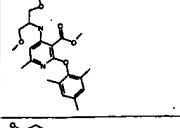
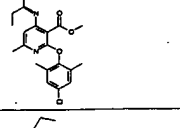
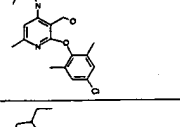
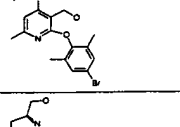
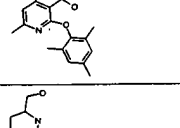
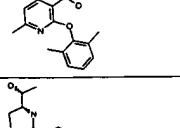
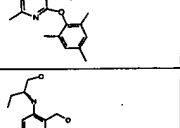
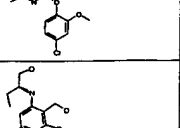
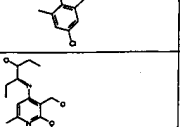
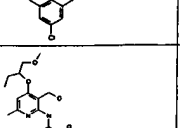
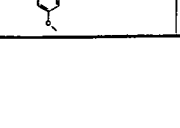


structure		CRH IC50(nM)
		400
		1000
		1000
		6.19
		2.67
		18.1
		8.12
		20.6
		103
		254
		2560
		11.1
		118

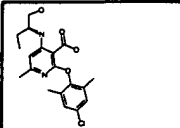
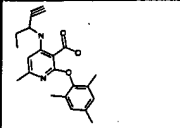
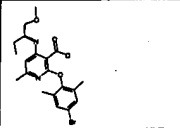
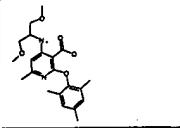
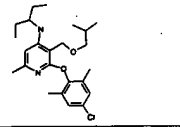
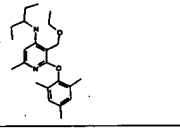
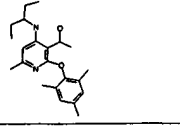
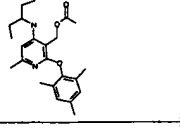
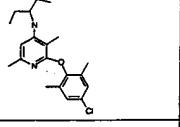
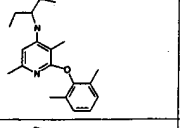
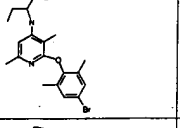
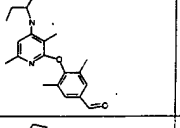
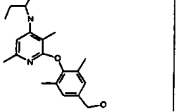


		5.88
		2.56
		9.57
		6.19
		9.75
		10.7
		15.7
		5.74
		55.6
		5.94
		1.44
		764
		9.45

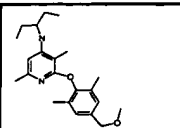
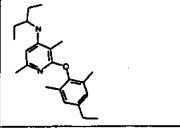
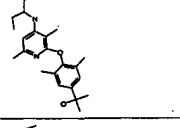
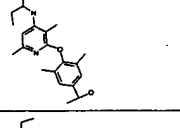
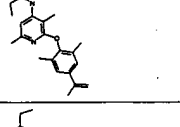
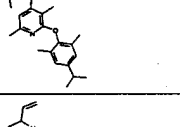
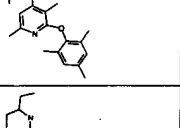
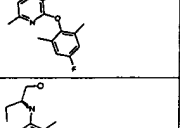
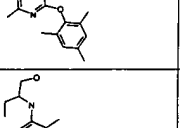
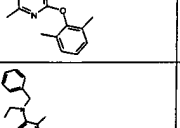
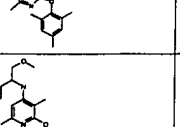
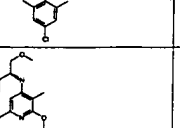
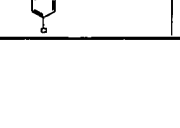


		27.9
		2830
		20.7
		8.07
		11.3
		4.47
		108
		177
		64.5
		420
		48.5
		25.8
		663

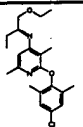
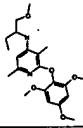
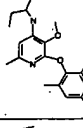
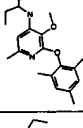
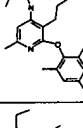
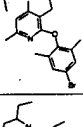
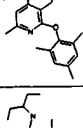
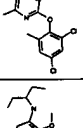
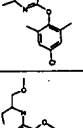
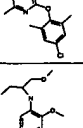
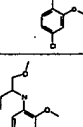
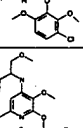
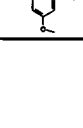


		2390
		2280
		393
		206
		303
		36.8
		14.2
		3.99
		8.68
		17.4
		5.54
		17.7
		83.4

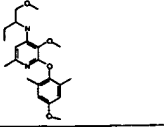
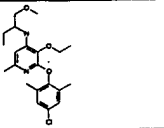
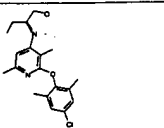
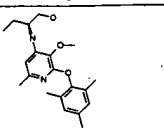
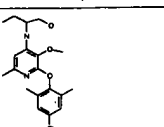
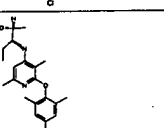
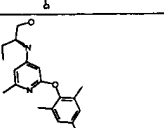
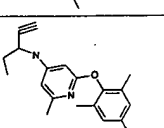
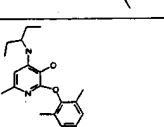
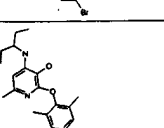
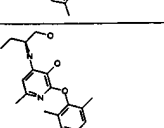
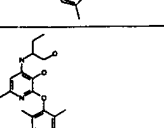
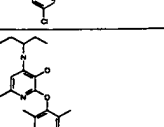


		4.45
		6.46
		31.7
		16.2
		1.68
		5.43
		17
		38.9
		10.9
		70.3
		156
		4.29
		4.85

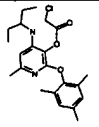
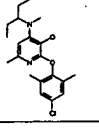
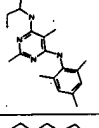
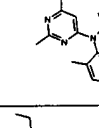
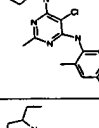
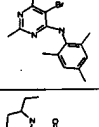
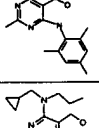
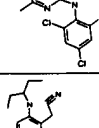
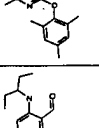
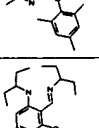
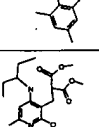
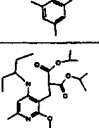
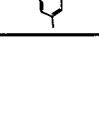


		16.6
		23
		2.07
		2.63
		32.2
		14.3
		21.3
		7.83
		10.5
		3.91
		19.5
		74.9
		71.7

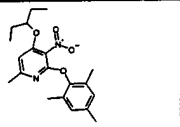
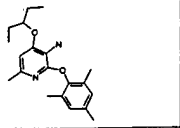
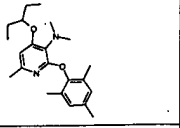
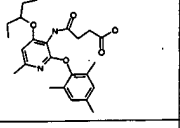
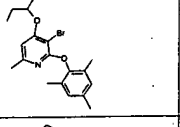
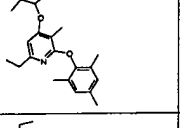
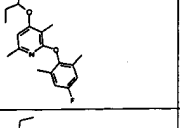
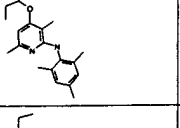
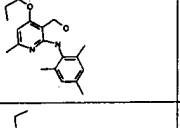
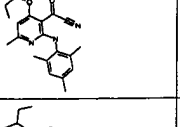
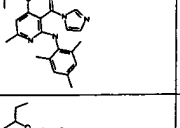
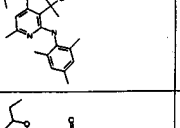
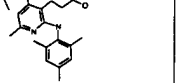


		5.1
		9.83
		11.1
		19.4
		13
		6.01
		1360
		111
		2.3
		3.21
		61.7
		41.6
		9.48



		3.08
		172
		60.2
		978
		9.31
		14.5
		3780
		489
		69.6
		5.07
		194
		499
		608



		14
		8.36
		44.8
		316
		6.02
		24.2
		31.8
		3.85
		8.67
		5.55
		206
		19.1
		669



		44.1
		48.8
		36.5
		424
		5.49
		2.12
		585
		7.97
		3.11
		3.48
		9.92
		1.45
		189

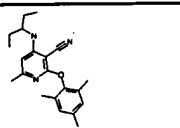
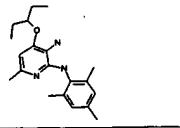
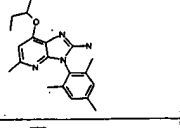
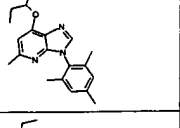
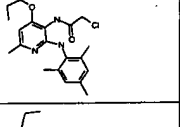
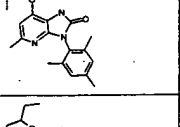
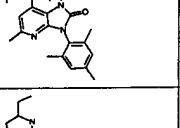
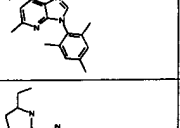
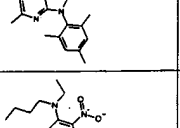
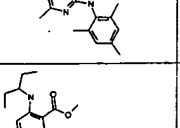
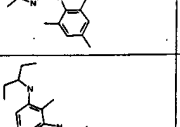
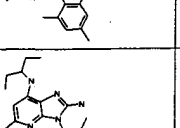
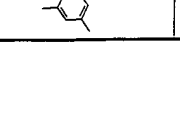


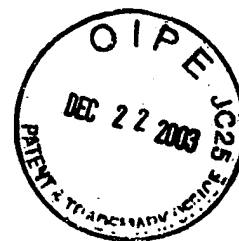
		212
		3440
		76
		348
		220
		70.2
		106
		191
		529
		3510
		238
		2500
		983

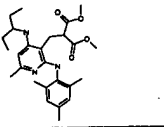
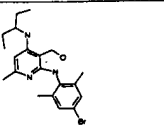
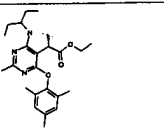
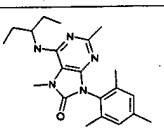
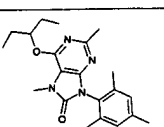
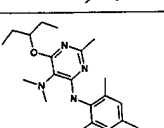
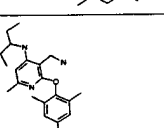
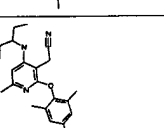
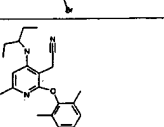
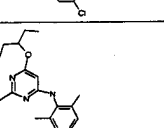
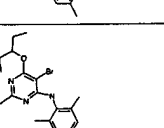
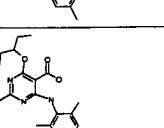
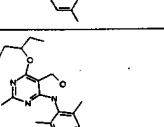


		4460
		831
		660
		226
		247
		96.3
		687
		368
		95.9
		4.96
		46.2
		523
		14.9

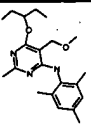
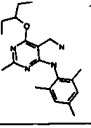
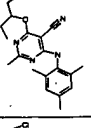
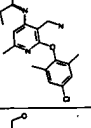
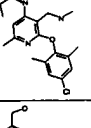
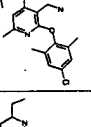
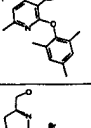
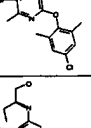
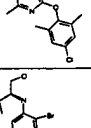
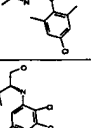
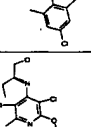
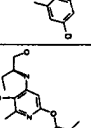
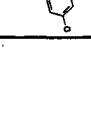


		5.59
		6.48
		32.1
		5.19
		177
		99.3
		5.47
		3.63
		7.6
		17
		6.18
		853
		36.8



		1190
		222
		2800
		37.9
		5.83
		27.5
		58.3
		26.3
		34.9
		15
		6.57
		1260
		9.55

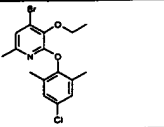
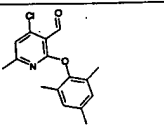
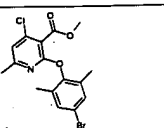
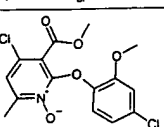
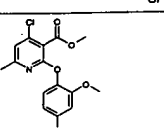
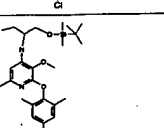
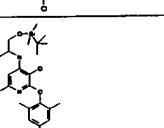
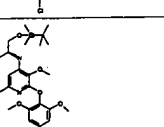


		74.2
		37.8
		18.3
		142
		681
		2720
		5.5
		738
		1770
		15.9
		12.6
		382
		450

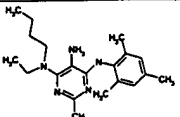
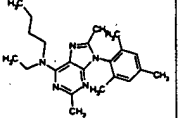
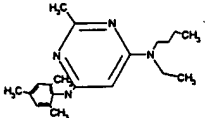
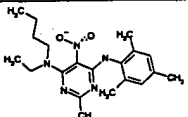
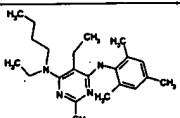
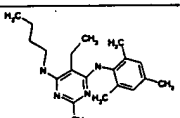
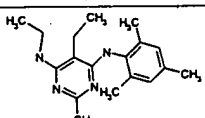
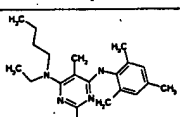
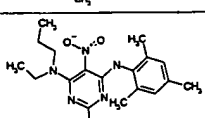
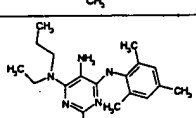
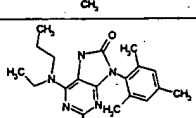
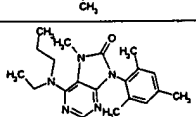


		777
		3880
		1000
		1000
		1000
		600
		414
		1360
		450
		1070
		1210
		1480
		1000

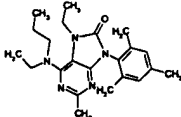
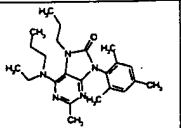
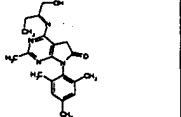
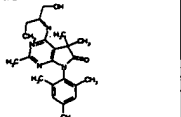
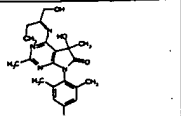
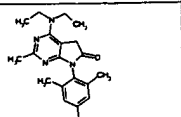
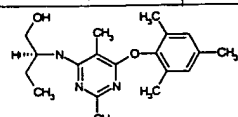
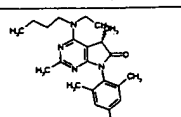
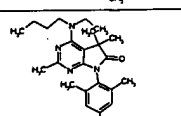
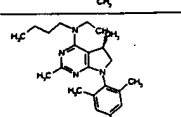
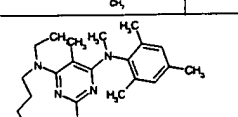
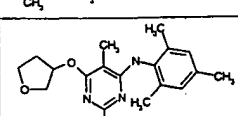
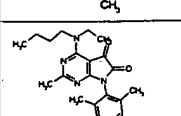


		1600
		8200
		9880
		1000
		1000
		10100
		1000
		1000



PFIZER NUMB	MOLSTRUCTURE	IC50 (nM)
		19
		18
		700
		29
		17
		7500
		6110
		15
		43
		29
		650
		48

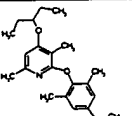
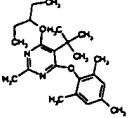
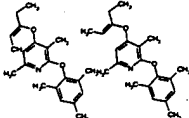
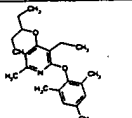
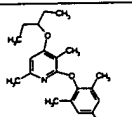
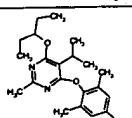
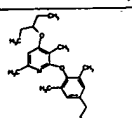
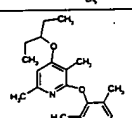
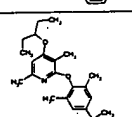
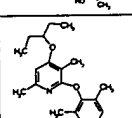
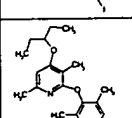
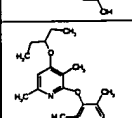
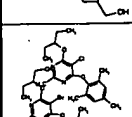


	120	
	940	
	786	
	234	
	787	
	1480	
	39	
	20	
	33	
	15	
	1990	
	51	
	141	



	23	
	73	
	98	
	120	
	5	
	3380	
	17	
	392	
	39	
	164	
	865	
	13	
	1	



	4	
	1500	
	13	
	15	
	29	
	229	
	16	
	82	
	67	
	8	
	457	
	101	
	41	



	80	
	31	
	1	
	13	
	239	
	1	
	12	
	124	
	9	
	22	
	145	
	792	
	203	



	186	
	342	
	12	
	145	
	161	
	25	
	4	
	4	
	32	
	37	
	361	
	12	
	41	



	6	
	4100	
	90	
	7	
	12	
	9	
	408	
	39	
	251	
	3	
	182	
	15	
	5	



	13	
	13	
	56	
	4	
	6	
	53	
	20	
	9	
	15	
	1240	
	250	
	806	
	668	



	99	
	27	
	19	
	5	
	87	
	47	
	122	
	84	
	396	
	139	
	658	
	5	
	4	

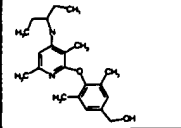
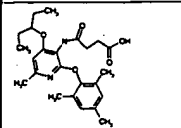
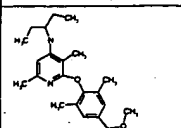
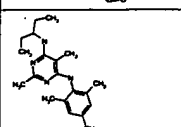
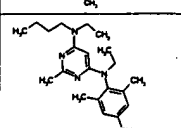
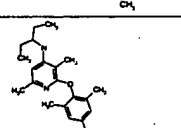
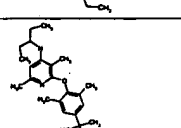
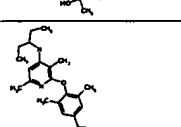
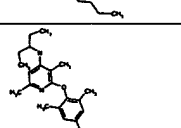
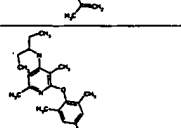
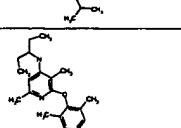
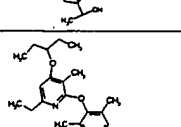
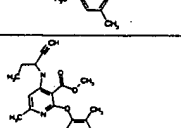


	15	
	28	
	4	
	8	
	17	
	13	
	39	
	6	
	14	
	8	
	3	
	10	
	16	



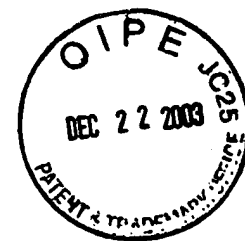
	303	
	2	
	8	
	6	
	760	
	18	
	6	
	207	
	3	
	5	
	28	
	3	
	17	

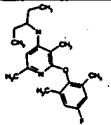
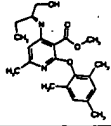
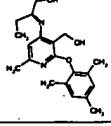
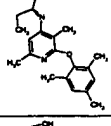
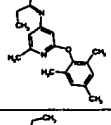
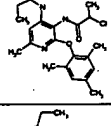
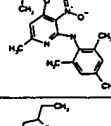
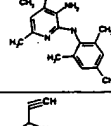
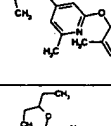
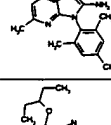
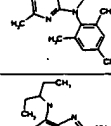
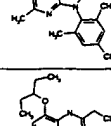
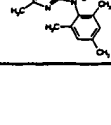


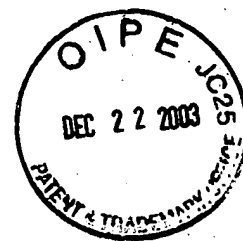
	55	
	304	
	2	
	48	
	605	
	6	
	34	
	35	
	2	
	5	
	17	
	24	
	10	

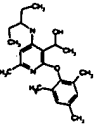
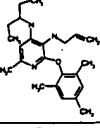
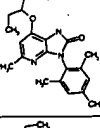
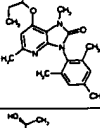
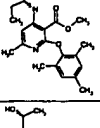
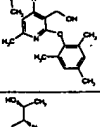
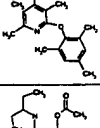
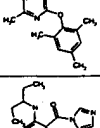
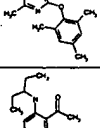
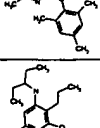
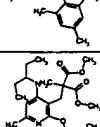
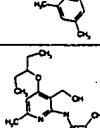
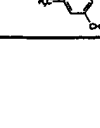


	6	
	1450	
	70	
	103	
	5	
	194	
	499	
	17	
	608	
	2280	
	254	
	56	
	23	

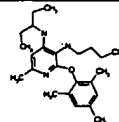
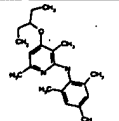
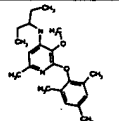
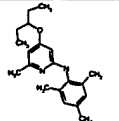
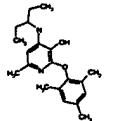
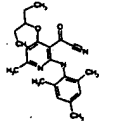
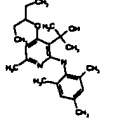
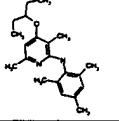
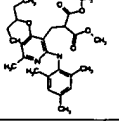
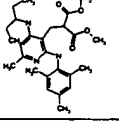
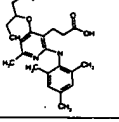
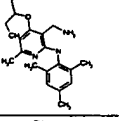
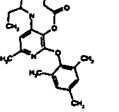


	32	
	7	
	108	
	12	
	1360	
	1620	
	10	
	5	
	111	
	32	
	5	
	38	
	177	

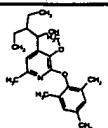
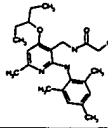
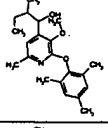
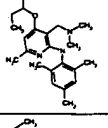
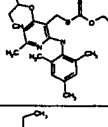
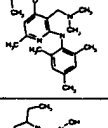
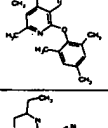
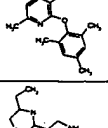
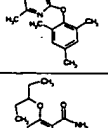
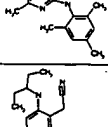
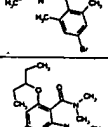
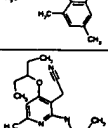
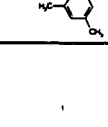


	14	
	11	
	99	
	6	
	9	
	53	
	11	
	4	
	12	
	1	
	27	
	190	
	9	

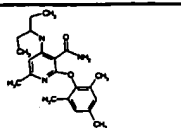
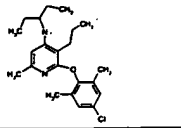
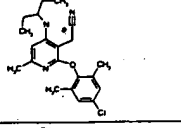
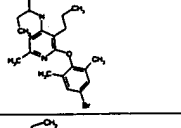
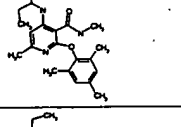
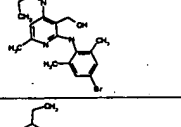
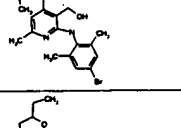
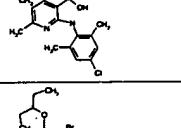
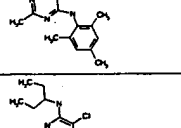
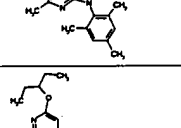
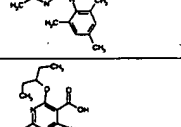
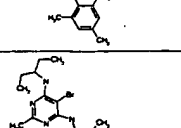
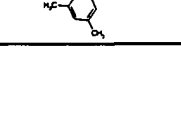


	118	
	4	
	3	
	228	
	3	
	6	
	19	
	3	
	85	
	1190	
	669	
	47	
	4	



	3660	
	49	
	76	
	40	
	424	
	29	
	19	
	5	
	58	
	6	
	27	
	585	
	8	



	4	
	32	
	35	
	11	
	5	
	220	
	5	
	10	
	7	
	9	
	15	
	1260	
	15	



	3800	
	535	
	4100	
	895	
	23	
	10	
	74	
	578	
	1600	
	39	
	429	
	220	
	70	



	107	
	191	
	529	